

EXHIBIT A

glutamin rich domain 1: amino acid 10-123

mouse (92.2%), rat (95.9%)

human: ESEAAAAAGAP-AAAGATGDLASAGLGAPNWEVL SATPTTIKDEAGNLVQIPSAATSSGQYVLP LQNLQNOQI  
 .....\* .....  
 mouse: RAAVAAAAGVPAAGATGDLASAGLGAPNWEVL SATPTTIKDEAGNLVQIPGAATSSGQYVLP LQNLQNOQI  
 .....  
 rat: ASRILSREREL-RFSPCTGDLASAGLGAPNWEVL SATPTTIKDEAGNLVQIPGAATSSGQYVLP LQNLQNOQI

human: FSVAPGSDSSNGTVSSVQXQVIFQIQSADGQQVQIGPTGS  
 .....\* .....  
 mouse: FSVAPGSDSSNGTVSNVQXQVIFQIQSTDAQQVQIGPTGS  
 .....\* .....  
 rat: FSVAPGSDSSNGTVSNVQXQVIFQIQSTDAQQVQIGPTGS

glutamin rich domain 2: amino acid 223-358

mouse (97.1%), rat (97.1%)

human: NADGHLINTGQAMDSSDNERTGERVSPDINETHTD LFPVPTSSSSQLPVTIDSTGILQONTNLSLTSSGQVHS  
 .....\* .....  
 mouse: NADGHLINTGQAMDSSDNERTGERVSPDVNETNADT LFPVPTSSSSQLPVTIDSTGILQONTNLSLTSSGQVHS  
 .....\* .....  
 rat: NADGHLINTGQAMDSSDNERTGERVSPDVNETNADT LFPVPTSSSSQLPVTIDSTGILQONTNLSLTSSGQVHS

human: SDLQGNVIQSPVSEETQAQNIQVSTAQPVVQHLQLQESQOPTSQAQIVQGITTPTQIEGVQA  
 .....\* .....  
 mouse: SDLQGNVIQSPVSEETQAQNIQVSTAQPVVQHLQLQESQOPTSQAQIVQGITTPTQIEGVQA  
 .....\* .....  
 rat: SDLQGNVIQSPVSEETQAQNIQVSTAQPVVQHLQLQESQOPTSQAQIVQGITTPTQIEGVQA

以上